

# FSA My Design Doc

Sunday, April 09, 2023 7:58 PM

## Regular Expressions:

For an identifier, we usually consider a string that starts with a letter or underscore, followed by any number of letters, digits, or underscores. In the regular expression format, this would look like:

$^[a-zA-Z_][a-zA-Z0-9_]*\$$

For integers we would consider a string one or more digits

$^\backslash d+\$$

## FSA:

An Identifier token, the FSA would have the following diagram:

